

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040416\
 Data File : BF086076.D
 Acq On : 5 Apr 2016 10:39
 Operator : UM/SJ
 Sample : H2142-01
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 225-4TH-AVE-DISCHARGE

Quant Time: Apr 05 12:03:23 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

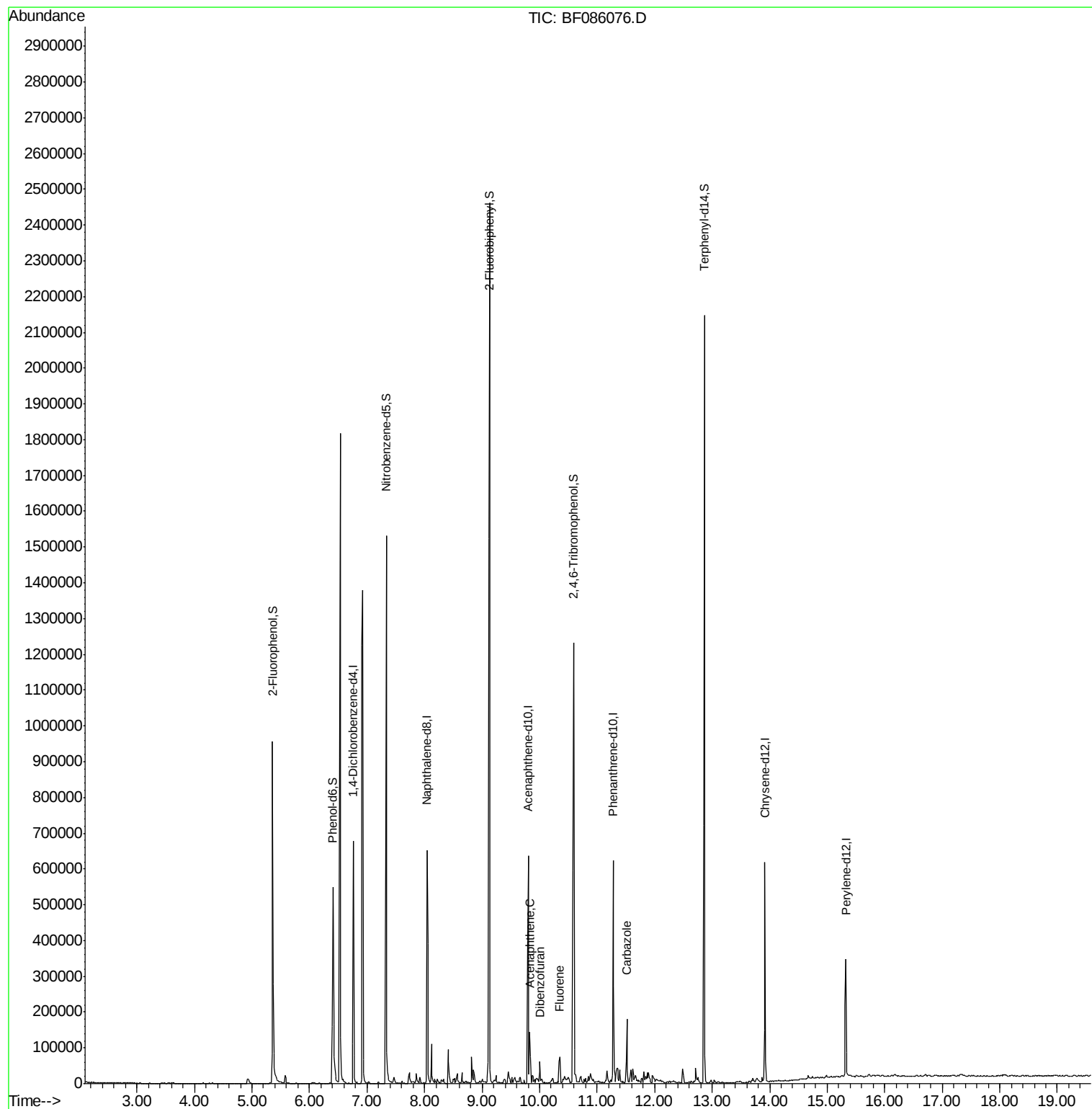
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	104415	20.00	ng	-0.01
21) Naphthalene-d8	8.04	136	368118	20.00	ng	-0.02
38) Acenaphthene-d10	9.80	164	154404	20.00	ng	-0.01
63) Phenanthrene-d10	11.28	188	247520	20.00	ng	-0.02
75) Chrysene-d12	13.92	240	202697	20.00	ng	-0.01
86) Perylene-d12	15.32	264	151936	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	334534	54.76	ng	-0.01
7) Phenol-d6	6.41	99	257506	33.19	ng	-0.01
23) Nitrobenzene-d5	7.33	82	576296	92.32	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	171303	118.20	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	961332	103.52	ng	-0.01
78) Terphenyl-d14	12.87	244	666066	77.24	ng	-0.01
Target Compounds						Qvalue
51) Acenaphthene	9.82	154	36572	3.98	ng	99
54) Dibenzofuran	10.01	168	28105	2.31	ng	99
57) Fluorene	10.35	166	27527	2.65	ng	99
72) Carbazole	11.52	167	61148	5.03	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF086076.D

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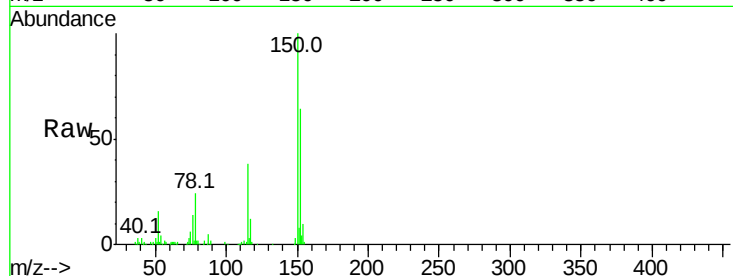
Tot Ion:152 Resp: 104415

Ion Ratio Lower Upper

152 100

150 156.8 124.2 186.2

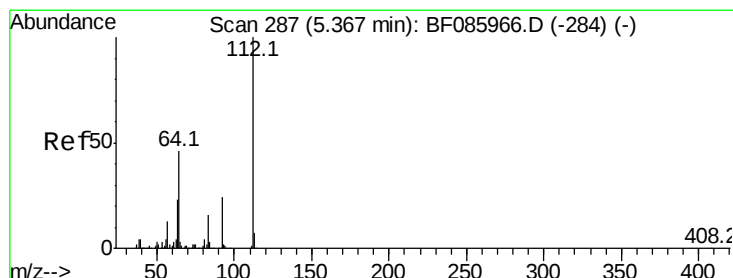
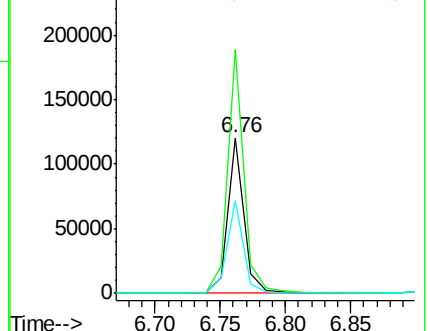
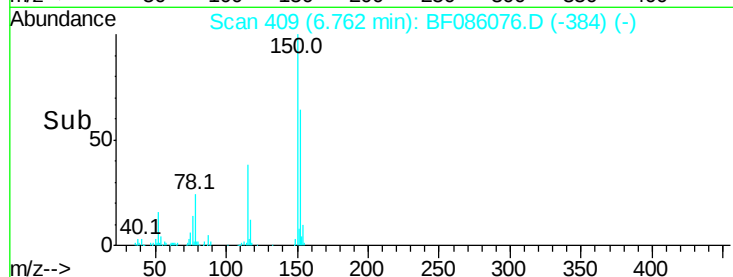
115 59.7 47.0 70.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 54.76 ng

RT: 5.36 min Scan# 286

Delta R.T. -0.01 min

Lab File: BF086076.D

Acq: 5 Apr 2016 10:39

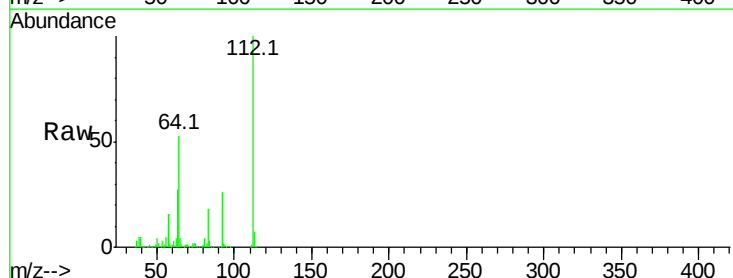
Tgt Ion:112 Resp: 334534

Ion Ratio Lower Upper

112 100

64 52.8 39.9 59.9

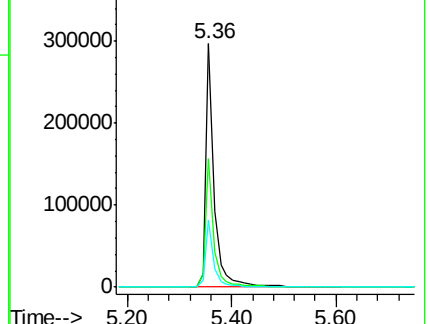
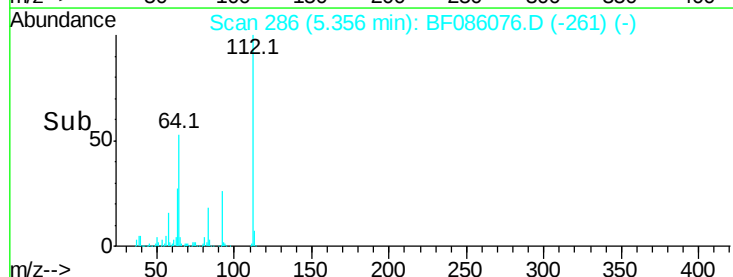
63 27.3 20.2 30.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 33.19 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF086076.D

Acq: 5 Apr 2016 10:39

Instrument :

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ClientSampleId :

225-4TH-AVE-DISCHARGE

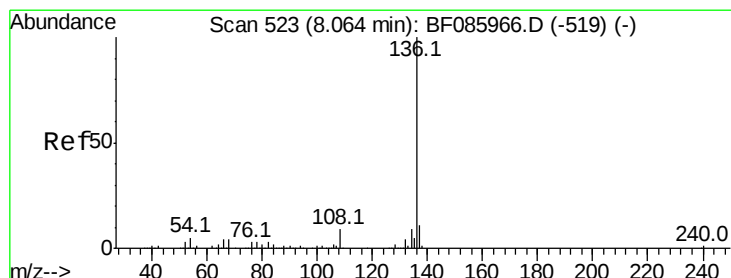
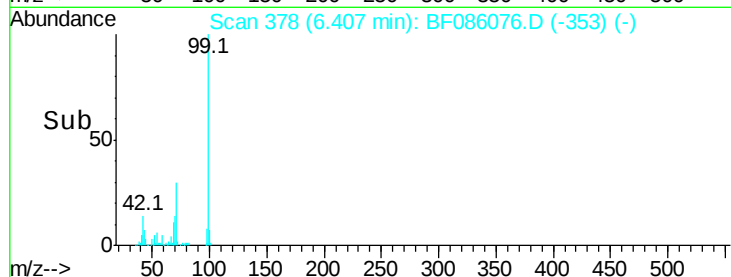
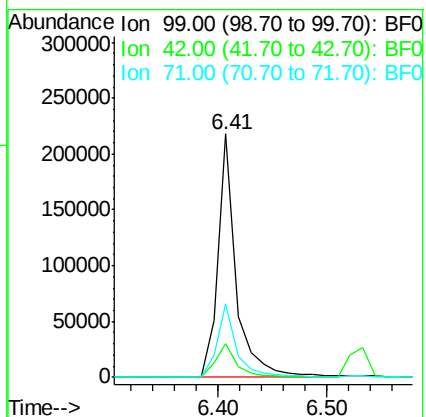
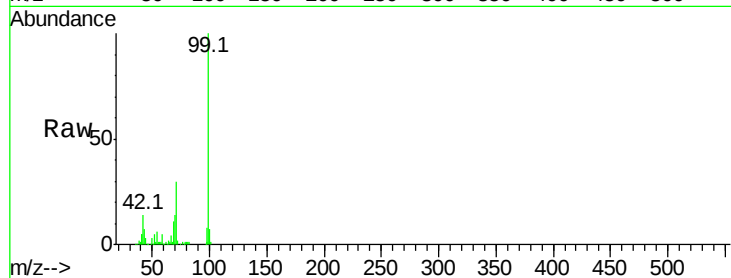
Tot Ion: 99 Resp: 257506

Ion Ratio Lower Upper

99 100

42 13.8 11.1 16.7

71 30.4 24.9 37.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 521

Delta R.T. -0.02 min

Lab File: BF086076.D

Acq: 5 Apr 2016 10:39

Tgt Ion: 136 Resp: 368118

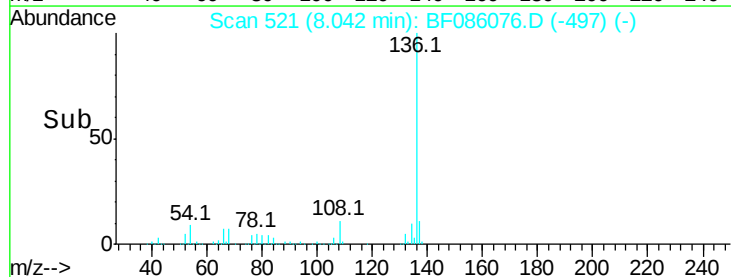
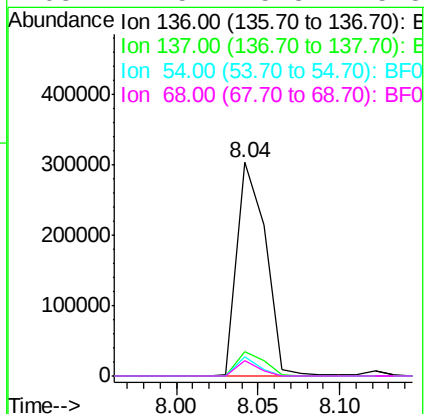
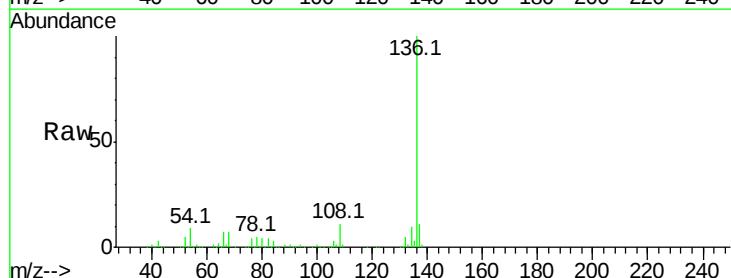
Ion Ratio Lower Upper

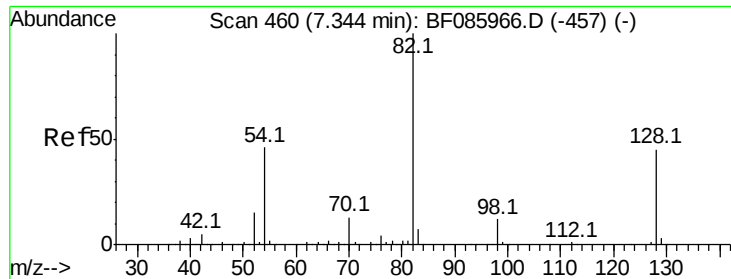
136 100

137 11.4 9.1 13.7

54 9.2 7.4 11.0

68 7.5 5.8 8.8

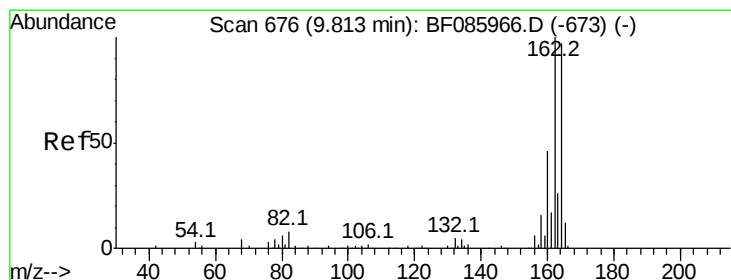
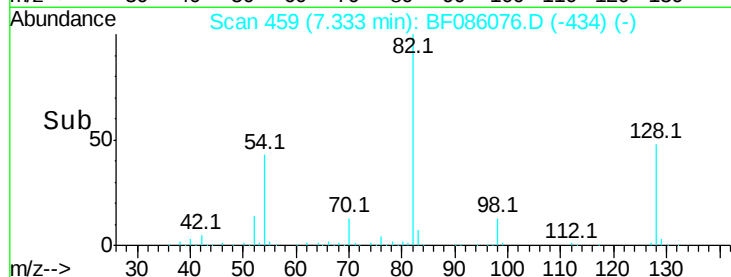
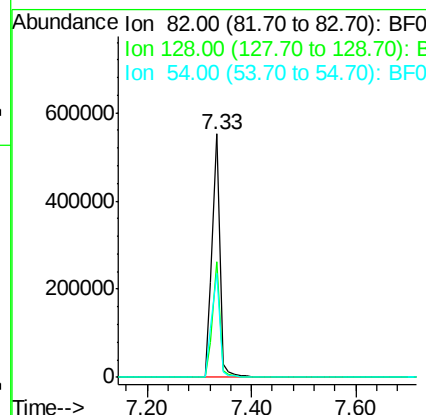
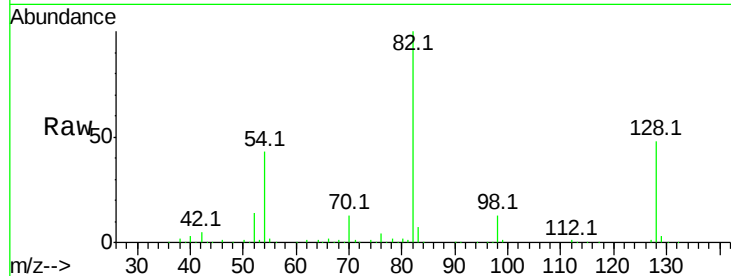




#23
Nitrobenzene-d5
Concen: 92.32 ng
RT: 7.33 min Scan# 459
Delta R.T. -0.01 min
Lab File: BF086076.D
Acq: 5 Apr 2016 10:39

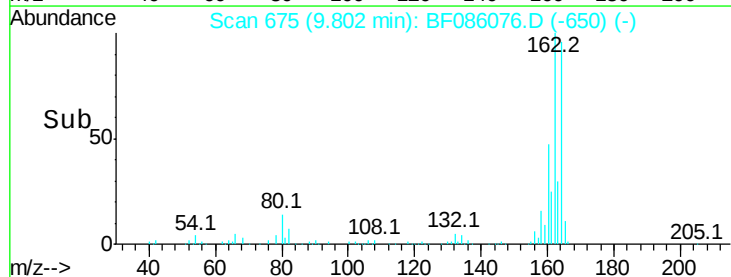
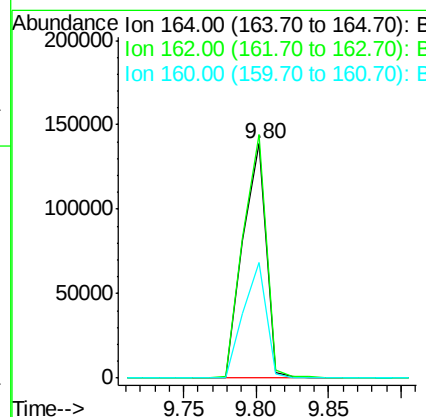
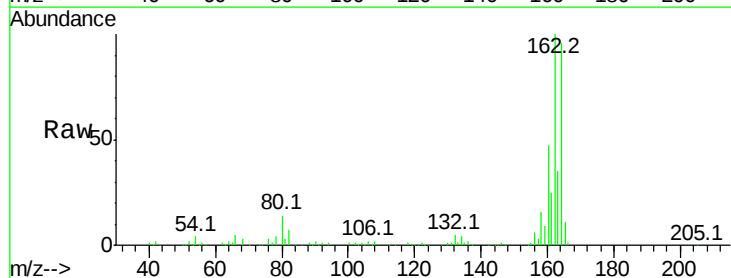
Instrument :
BNA_F
ClientSampleId :
225-4TH-AVE-DISCHARGE

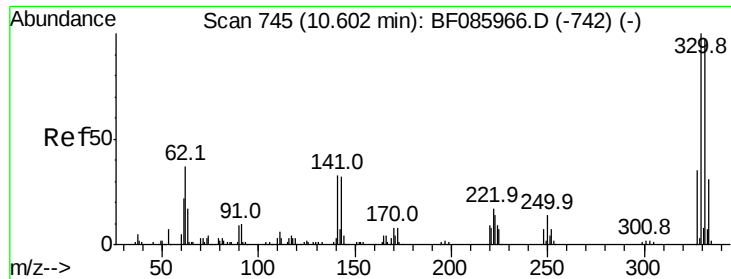
Tot Ion: 82 Resp: 576296
Ion Ratio Lower Upper
82 100
128 47.5 41.8 62.8
54 42.7 33.4 50.0



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.80 min Scan# 675
Delta R.T. -0.01 min
Lab File: BF086076.D
Acq: 5 Apr 2016 10:39

Tgt Ion:164 Resp: 154404
Ion Ratio Lower Upper
164 100
162 103.9 82.1 123.1
160 49.2 37.4 56.2

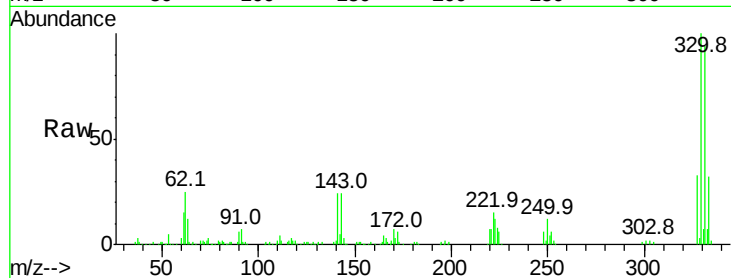




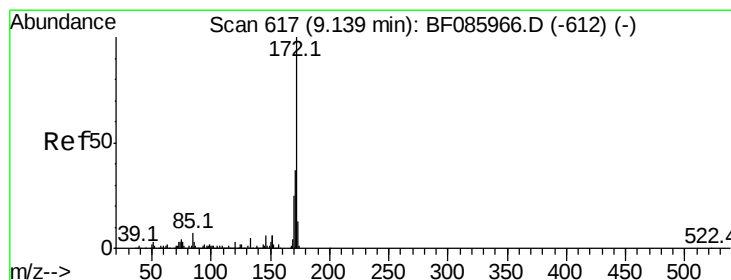
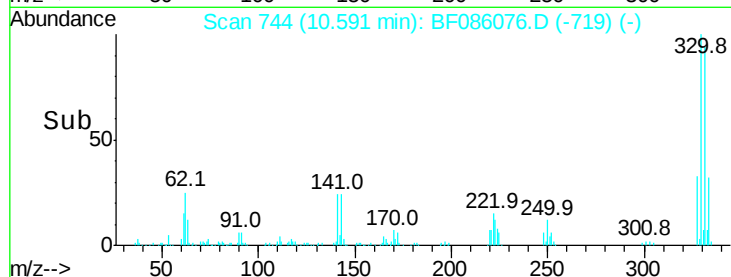
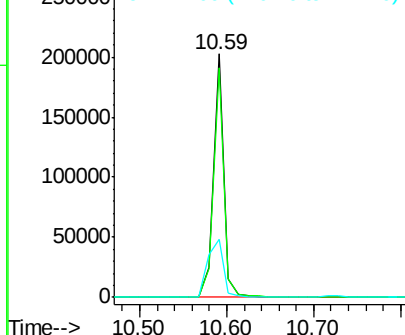
#41
 2,4,6-Tribromophenol
 Concen: 118.20 ng
 RT: 10.59 min Scan# 744
 Delta R.T. -0.01 min
 Lab File: BF086076.D
 Acq: 5 Apr 2016 10:39

Instrument :
 BNA_F
 ClientSampleId :
 225-4TH-AVE-DISCHARGE

Tot Ion:330 Resp: 171303
 Ion Ratio Lower Upper
 330 100
 332 95.0 78.2 117.2
 141 36.4 31.5 47.3

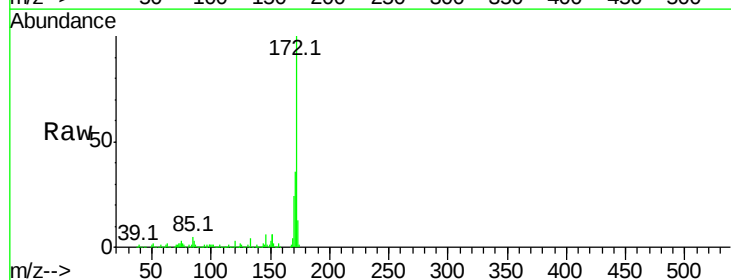


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

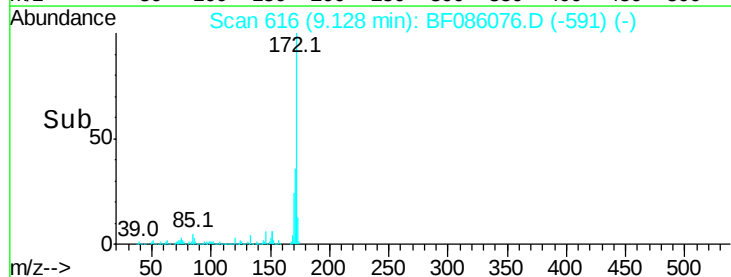
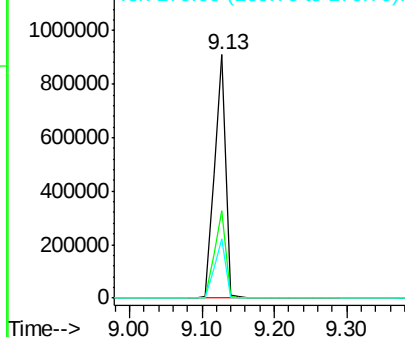


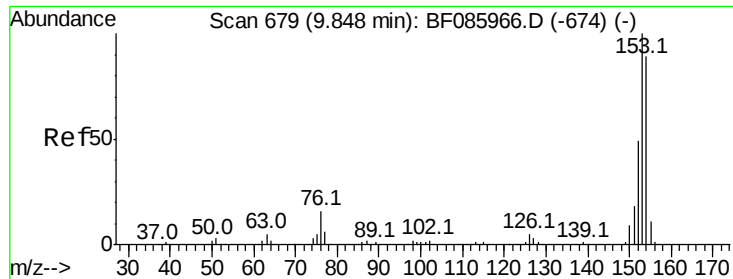
#44
 2-Fluorobiphenyl
 Concen: 103.52 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.01 min
 Lab File: BF086076.D
 Acq: 5 Apr 2016 10:39

Tgt Ion:172 Resp: 961332
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.4 44.2
 170 24.3 19.8 29.6



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#51

Acenaphthene

Concen: 3.98 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.02 min

Lab File: BF086076.D

Acq: 5 Apr 2016 10:39

Instrument :

BNA_F

ClientSampleId :

225-4TH-AVE-DISCHARGE

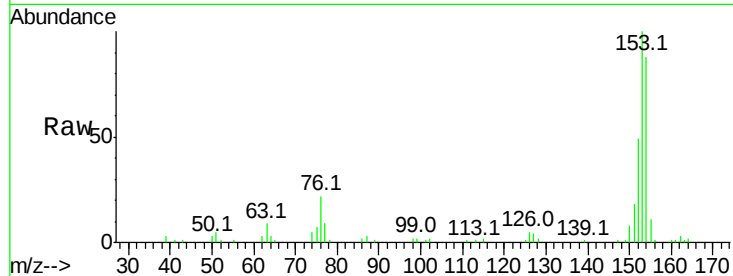
Tot Ion:154 Resp: 36572

Ion Ratio Lower Upper

154 100

153 113.6 90.1 135.1

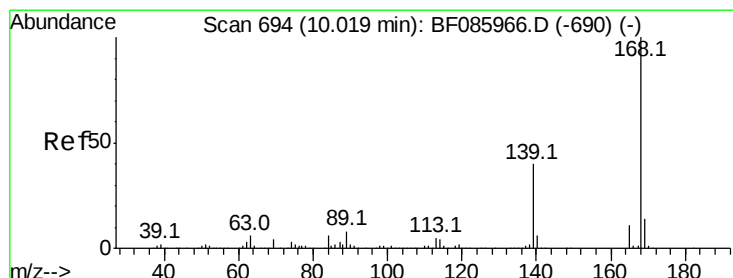
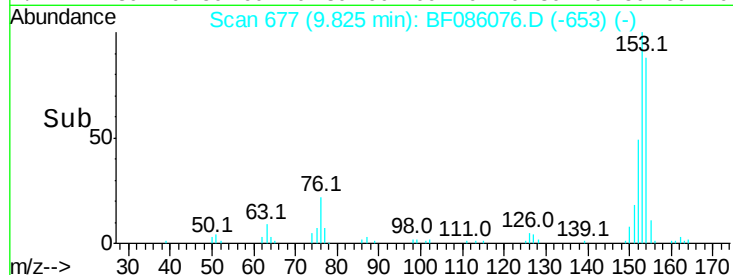
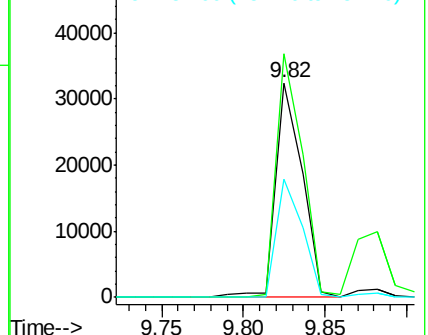
152 55.3 44.2 66.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.31 ng

RT: 10.01 min Scan# 693

Delta R.T. -0.01 min

Lab File: BF086076.D

Acq: 5 Apr 2016 10:39

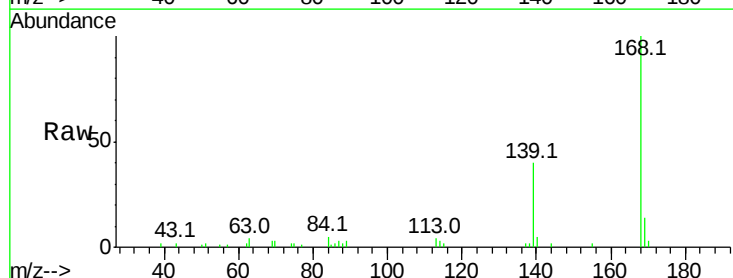
Tgt Ion:168 Resp: 28105

Ion Ratio Lower Upper

168 100

139 39.5 31.9 47.9

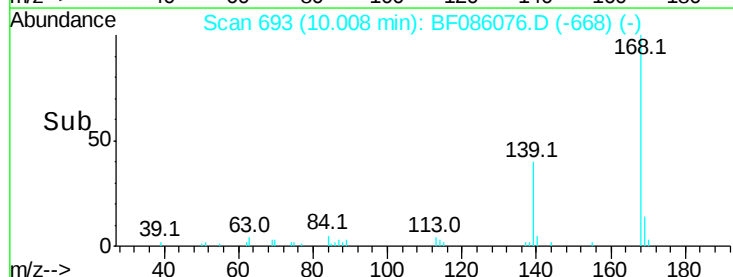
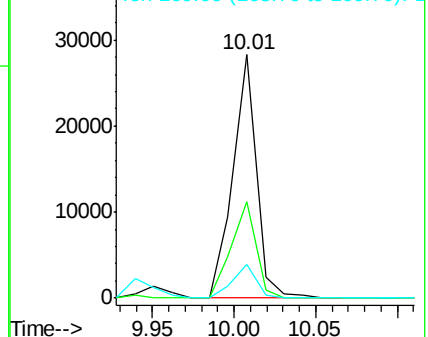
169 13.6 11.0 16.6

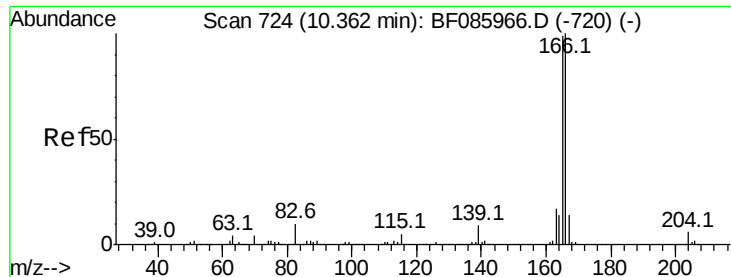


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 2.65 ng

RT: 10.35 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF086076.D

Acq: 5 Apr 2016 10:39

Instrument :

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ClientSampleId :

225-4TH-AVE-DISCHARGE

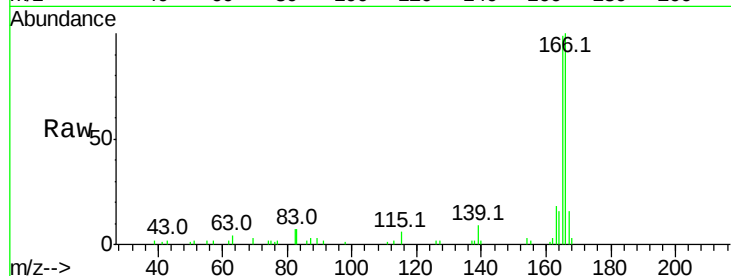
Tot Ion:166 Resp: 27527

Ion Ratio Lower Upper

166 100

165 98.9 79.4 119.0

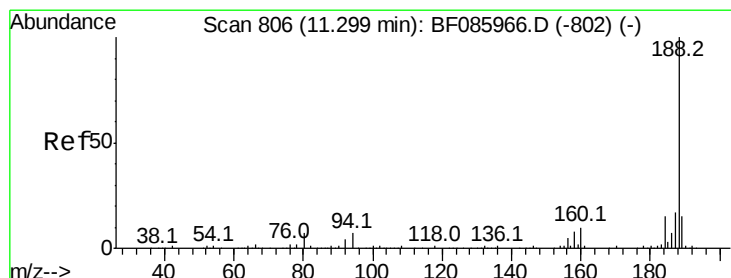
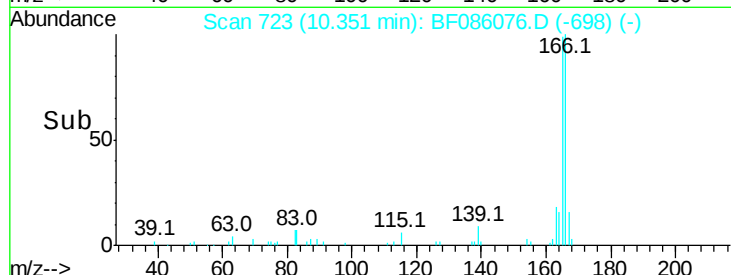
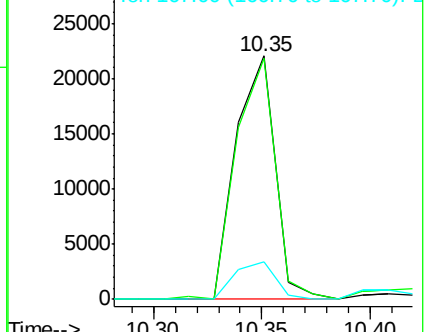
167 15.6 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.28 min Scan# 804

Delta R.T. -0.02 min

Lab File: BF086076.D

Acq: 5 Apr 2016 10:39

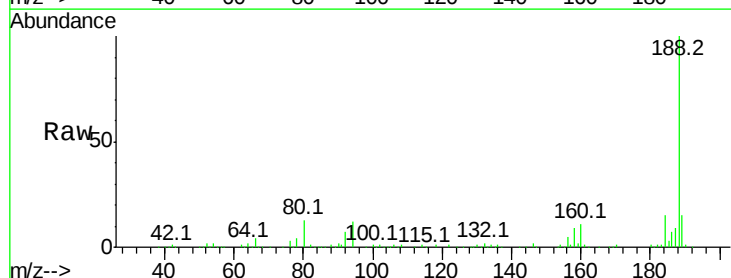
Tgt Ion:188 Resp: 247520

Ion Ratio Lower Upper

188 100

94 12.0 5.4 8.0#

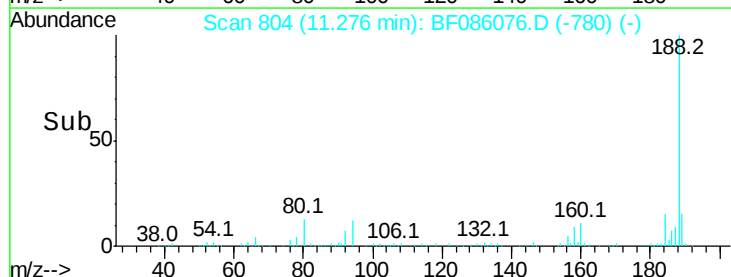
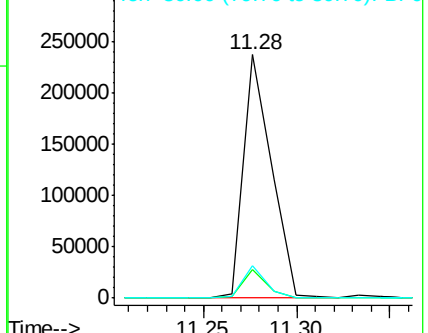
80 13.4 5.5 8.3#

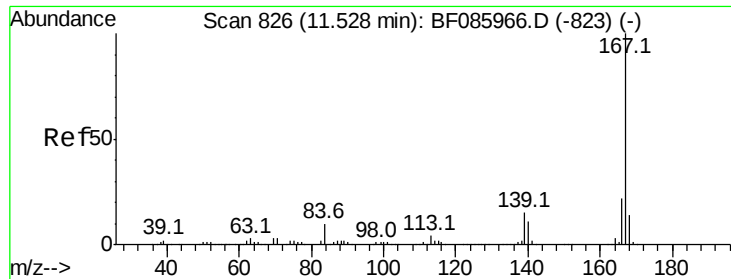


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#72

Carbazole

Concen: 5.03 ng

RT: 11.52 min Scan# 825

Delta R.T. -0.01 min

Lab File: BF086076.D

Acq: 5 Apr 2016 10:39

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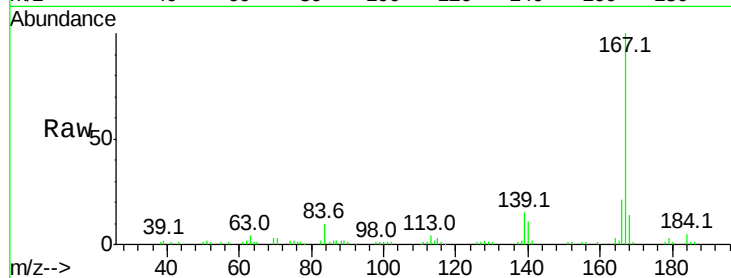
Tot Ion:167 Resp: 61148

Ion Ratio Lower Upper

167 100

166 21.1 17.8 26.8

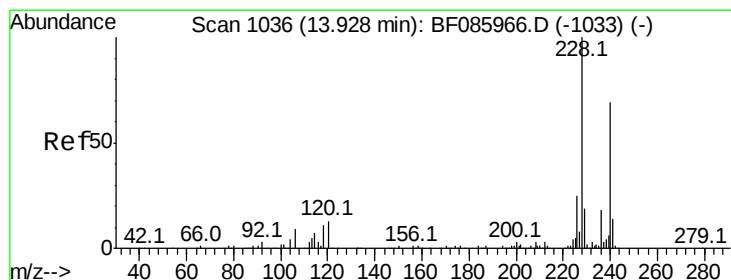
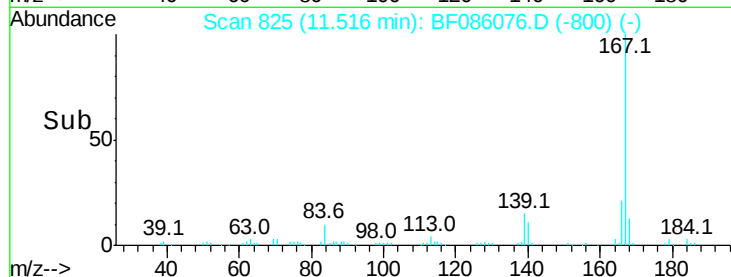
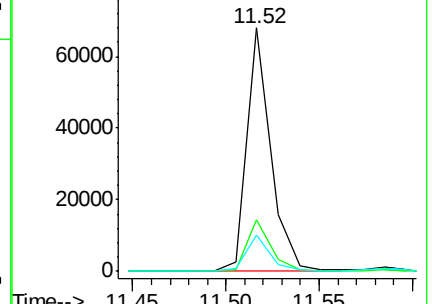
139 14.8 11.6 17.4



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.92 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF086076.D

Acq: 5 Apr 2016 10:39

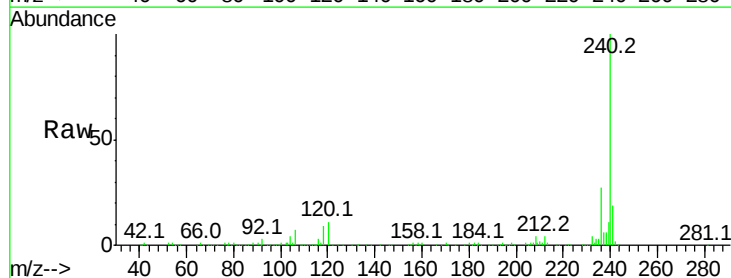
Tgt Ion:240 Resp: 202697

Ion Ratio Lower Upper

240 100

120 10.7 13.8 20.8#

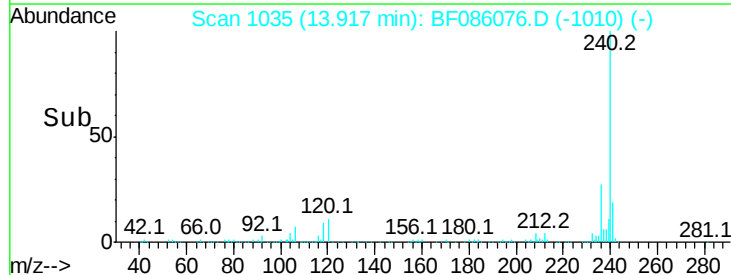
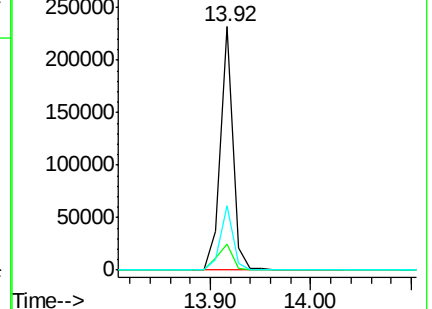
236 26.6 20.6 30.8

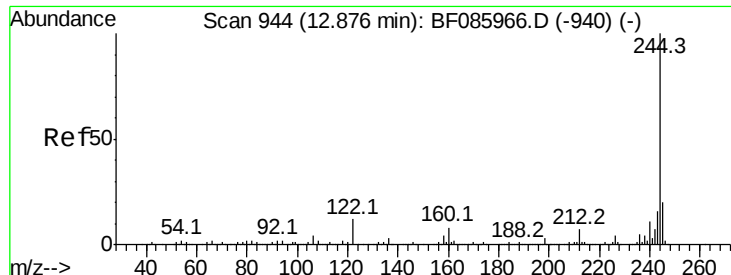


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 77.24 ng

RT: 12.87 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF086076.D

Acq: 5 Apr 2016 10:39

Instrument :

BNA_F

ClientSampleId :

225-4TH-AVE-DISCHARGE

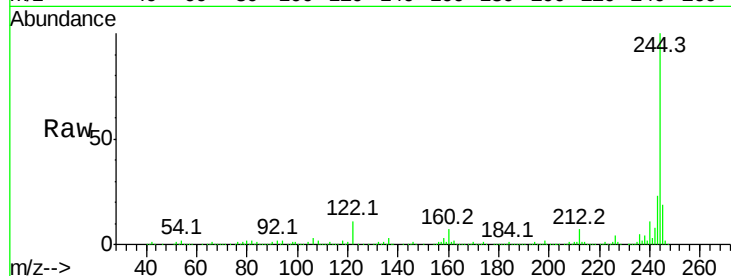
Tot Ion:244 Resp: 666066

Ion Ratio Lower Upper

244 100

212 7.0 6.1 9.1

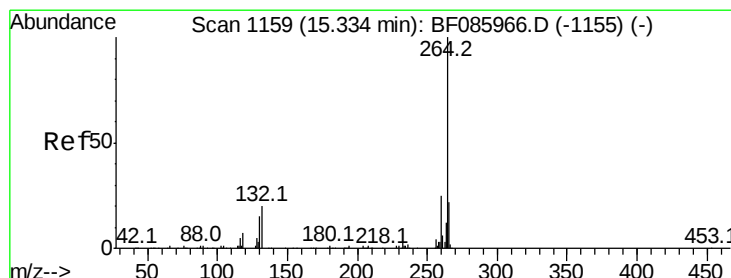
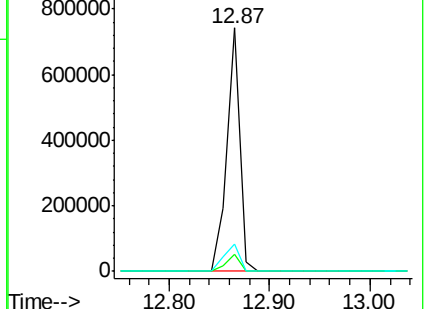
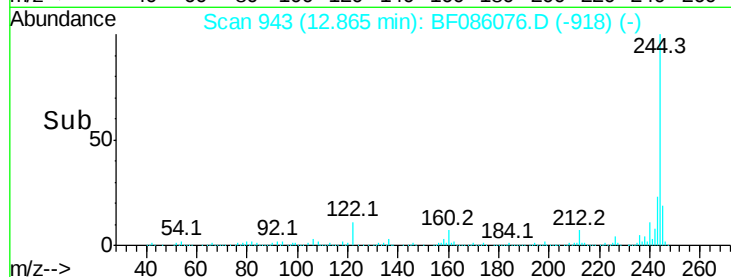
122 11.2 10.2 15.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.32 min Scan# 1158

Delta R.T. -0.01 min

Lab File: BF086076.D

Acq: 5 Apr 2016 10:39

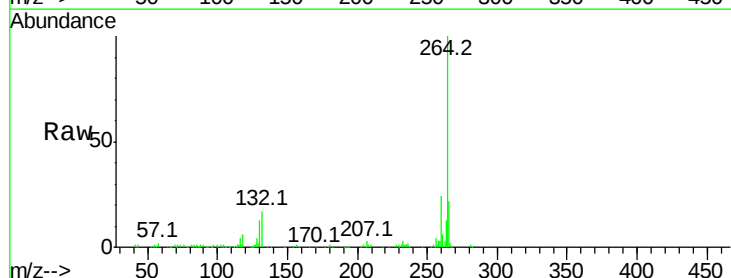
Tgt Ion:264 Resp: 151936

Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.2

265 21.5 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

